



**Pumping
Service Report**

9193255

Client Name Anadarko Petroleum Corporation	Well Name State 6 - 16	Rig ECWS 22	Job Date August 21, 2014	Call Sheet 1045933
Client Representative Bill Smith	Surface Well Location SW NW Sec 16:T1N:R68W	Down Hole Well Location	Job Type Circulation Squeeze	

Well Profile

Well Type: Oil

Maximum Treating Pressure (psi): --

Predicted Bottom Hole Static Temperature (°F): -- @ --

Bottom Hole Circulating Temperature (°F): -- @ --

Bottom Hole Logged Temperature (°F): -- @ --

Casing

Size	Weight	Grade	Collapse Pressure	Internal Yield Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(psi)	(bbl)	(in)	(in)	(ft)	(ft)
4.500	11.600	--	--	--	--	--	--	0.0	3,320.0

Products

Plug 1

From Depth (ft):

To Depth (ft):

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 400 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 71 (bbl)
Water Temperature(°F) = 65 , Bulk Temperature(°F) = 70 , Slurry Temperature(°F) = 74
+ 0.5 % of CaCl₂,
+ 0.3 % of CFR-2,
+ 0.3 % of CFL-3,
+ 0.25 lb/sack of Polyflake,
+ 0.4 % of CDF-4P

Fluid & Cement Data

Expected Cement Top: --

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Aug 05, 2014 17:19

Attachment & Tools

Tubular Plugs

Tubular Plug Type	Size (in)	Supplier
Rubber Top	4.500	Sanjel



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Units & Personnel

Units

<u>Truck Unit No.</u>	<u>Main Type</u>	<u>Sub Type</u>	<u>Tractor Unit No.</u>	<u>Main Type</u>	<u>Sub Type</u>	<u>Time On Location</u>	<u>Time Off Location</u>
201273	PICKUP	3/4 Ton					
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor		
446153	TRAILER	Bulker	746153	TRACTOR	Tandem - Tractor		

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Douglass, Brian				
Lopez, Armando				
Durham, Adrian				
Hall, Austin				
Davila, Israel				

Treatment Reports & Remarks

Treatment Report

<u>Event #</u>	<u>Event Time</u>	<u>Event Description</u>	<u>Fluid Type</u>	<u>Rate</u> (bbl/min)	<u>Tubular Pressure</u> (psi)	<u>Annular Pressure</u> (psi)	<u>Stage Volume</u> (bbl)	<u>Total Volume</u> (bbl)
1	Aug 21, 2014 12:30	Arrive On Location		--	--	--	--	0.00
2	Aug 21, 2014 12:35	Tailgate Meeting		--	--	--	--	0.00
3	Aug 21, 2014 12:40	Rig In		--	--	--	--	0.00
4	Aug 21, 2014 13:10	Safety Meeting		--	--	--	--	0.00
5	Aug 21, 2014 13:27	Sign-off on Safety		--	--	--	--	0.00
6	Aug 21, 2014 13:34	Pressure Test		--	2,500.0	--	--	0.00
7	Aug 21, 2014 13:36	Pump Spacer	Water	2.00	365.0	--	5.00	5.00
		Remarks: SAPP						
8	Aug 21, 2014 13:30	Pump Spacer	Water	2.00	400.0	--	5.00	10.00
9	Aug 21, 2014 13:46	Mix Cement	0:1:0 Type III	3.00	345.0	--	71.00	81.00
10	Aug 21, 2014 14:10	Drop Plug		--	--	--	--	81.00
11	Aug 21, 2014 14:10	Displace Fluid	Water	3.00	100.0	--	51.50	132.50
12	Aug 21, 2014 14:22	Shut In-Well		--	450.0	--	--	132.50
13	Aug 21, 2014 14:30	Rig Out		--	--	--	--	0.00
14	Aug 21, 2014 15:30	Job Complete		--	--	--	--	0.00
15	Aug 21, 2014 15:40	Pre-Departure Meeting		--	--	--	--	0.00
16	Aug 21, 2014 16:00	Leave Location		--	--	--	--	0.00

Did Float Hold: Not Applicable

Fluid Returns : Not Expected

Type :

Volume (bbl) :

Temperature (°F) : --

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes



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Service Report**

9193349

Client Name Anadarko Petroleum Corporation	Well Name State 6 - 16	Rig ECWS 22	Job Date August 22, 2014	Call Sheet 1045970
Client Representative Bill Smith	Surface Well Location SW NW Sec 16:T1N:R68W	Down Hole Well Location	Job Type Abandonment Plugs	

Well Profile

Well Type: Oil

Maximum Treating Pressure (psi): --

Predicted Bottom Hole Static Temperature (°F): -- @ --

Bottom Hole Circulating Temperature (°F): -- @ --

Bottom Hole Logged Temperature (°F): -- @ --

Open Hole

Size (in)	Excess (%)	TMD From (ft)	TMD To (ft)	TVD From (ft)	TVD To (ft)
8.750	--	--	--	--	--

Casing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Internal Yield Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
4.500	11.600	J-55	4,960.0	5,350.0	--	4.000	5.000	--	--

Products

Plug 1

From Depth (ft):

To Depth (ft):

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 200 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 47 (bbl)

Water Temperature(°F) = 65 , Bulk Temperature(°F) = 70 , Slurry Temperature(°F) = 75

+ 0.5 % of CaCl₂,

+ 0.3 % of CFR-2,

+ 0.3 % of CFL-3,

+ 0.25 lb/sack of Polyflake

Fluid & Cement Data

Expected Cement Top: --

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Aug 05, 2014 17:19

Attachment & Tools

Tubular Plugs

Tubular Plug Type	Size (in)	Supplier
Rubber Top	4.500	Sanjel



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Units & Personnel

Units

<u>Truck Unit No.</u>	<u>Main Type</u>	<u>Sub Type</u>	<u>Tractor Unit No.</u>	<u>Main Type</u>	<u>Sub Type</u>	<u>Time On Location</u>	<u>Time Off Location</u>
201168	PICKUP	1 Ton	449093	TRAILER	Utility Trailer	08/22/2014 09:20	08/22/2014 12:15
445051	TRAILER	SCM Twin	745051	TRACTOR	Tandem - Tractor	08/22/2014 09:20	08/22/2014 12:15
746502	BODY JOB	Baby Bulker				08/22/2014 09:20	08/22/2014 12:15

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Klosterman, Austin	08/22/2014 09:20	08/22/2014 12:15		
Davila, Israel	08/22/2014 09:20	08/22/2014 12:15		
Hansen, Kevin	08/22/2014 09:20	08/22/2014 12:15		
Melgarejo Herrera, Eduardo	08/22/2014 09:20	08/22/2014 12:15		

Treatment Reports & Remarks

Treatment Report

<u>Event #</u>	<u>Event Time</u>	<u>Event Description</u>	<u>Fluid Type</u>	<u>Rate</u> (bbl/min)	<u>Tubular Pressure</u> (psi)	<u>Annular Pressure</u> (psi)	<u>Stage Volume</u> (bbl)	<u>Total Volume</u> (bbl)
1	Aug 22, 2014 09:20	Arrive On Location	---	0.00	0.0	0.0	0.00	0.00
2	Aug 22, 2014 09:30	Tailgate Meeting	---	0.00	0.0	0.0	0.00	0.00
3	Aug 22, 2014 09:40	Rig In	---	0.00	0.0	0.0	0.00	0.00
4	Aug 22, 2014 09:50	Safety Meeting	---	0.00	0.0	0.0	0.00	0.00
5	Aug 22, 2014 10:00	Sign-off on Safety	---	0.00	0.0	0.0	0.00	0.00
6	Aug 22, 2014 10:08	Establish Circulation	Water	2.00	100.0	0.0	1.00	1.00
		Remarks: Filling lines.						
7	Aug 22, 2014 10:10	Pressure Test Lines	Water	0.00	2,050.0	0.0	0.00	1.00
8	Aug 22, 2014 10:11	Pump Preflush	Water	2.00	120.0	0.0	10.00	11.00
		Remarks: SAPP						
9	Aug 22, 2014 10:17	Pump Preflush	Water	2.00	120.0	0.0	5.00	16.00
		Remarks: Fresh ahead.						
10	Aug 22, 2014 10:21	Pump	0:1:0 Type III	3.20	40.0	0.0	47.00	63.00
		Remarks: Mix up and pump 200 sacks @14.8#, Yield 1.33, WR 6.31						
11	Aug 22, 2014 10:39	Drop Plug On The Fly	Water	0.00	0.0	0.0	0.00	63.00
12	Aug 22, 2014 10:39	Displace Fluid	Water	3.00	330.0	0.0	20.00	83.00
13	Aug 22, 2014 10:46	Decrease Pump Rate	Water	1.70	400.0	0.0	5.00	88.00
14	Aug 22, 2014 10:50	Wash	---	0.00	0.0	0.0	0.00	0.00
15	Aug 22, 2014 11:25	Rig Out	---	0.00	0.0	0.0	0.00	0.00
16	Aug 22, 2014 11:55	Job Complete	---	0.00	0.0	0.0	0.00	0.00
17	Aug 22, 2014 12:05	Pre-Departure Meeting	---	0.00	0.0	0.0	0.00	0.00
18	Aug 22, 2014 12:15	Leave Location	---	0.00	0.0	0.0	0.00	0.00